

Beacon Hill Tunnel & Station

Beacon Hill Station and tunnel construction was part of building Central Link. The tunnel's west portal, or opening, is located under I-5, east of Airport Way. The east portal is located to the east of 25th Avenue South and south of South McClellan Street, where the light rail line emerges to an elevated trackway as it approaches the Mount Baker Station near the intersection of Rainier Avenue South and South Stevens Street.

The main shaft of the tunnel station (which holds the station's four high-speed elevators) and the secondary shaft (which provides ventilation and emergency staircases) were excavated to 165 feet deep. Mining activities included digging the northbound and southbound running tunnels using a tunnel boring machine. All of the station's cross-passages and ventilation attics, and the underground station concourse were mined using the sequential excavation technique.

The construction contract included construction of one mile tunnel under Beacon Hill, the west and east portals, a half mile of elevated trackway, and the Beacon Hill and Mount Baker stations.

Mode

Commuter rail

Highlights

Start of service: 2009

Location: 160 feet under South Lander Street, with an entrance located at the southeast corner of Beacon Avenue South and South Lander Street

Projected ridership: 3,000 daily boardings in 2020

Consultants & contractors: Obayashi Corporation

